

SONY

3-751-986-11 (1)

Tuner Timer Unit

TGV-1E TGV-1B

Operating Instructions

Before operating the unit, please read this manual thoroughly and retain it for future reference.

VIDEO
WALKMAN
COMPO

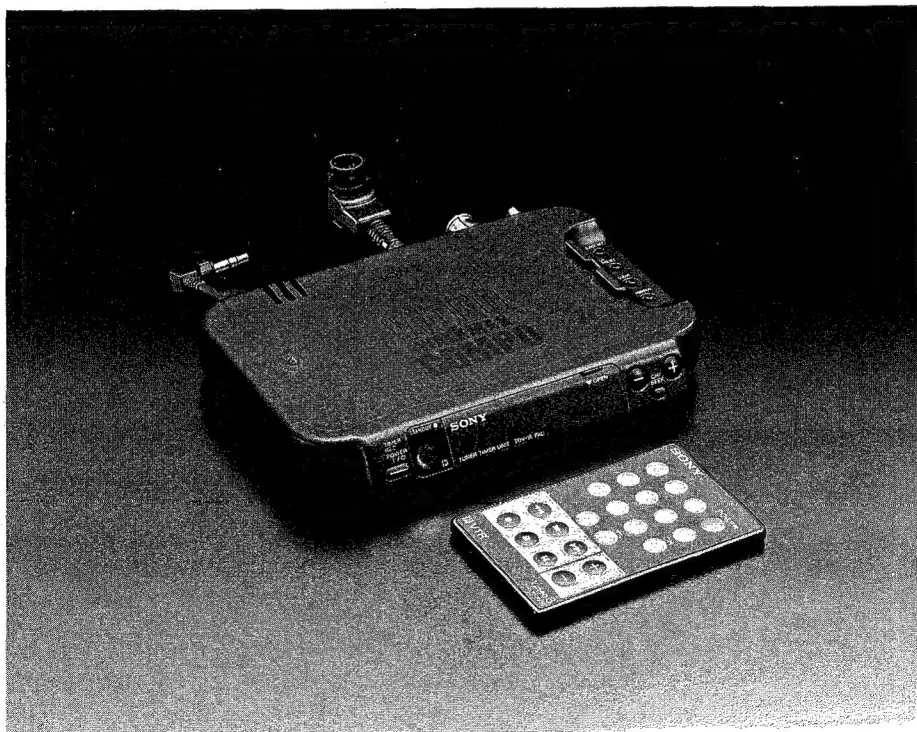


Photo: TGV-1E

WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.

Television programmes, films, video tapes and other materials may be copyrighted. Unauthorized recording of such material may be contrary to provisions of the copyright laws.

About This Manual

This manual includes information on two models: TGV-1E and TGV-1B.

The difference between them is in the method of selecting the TV colour system as shown in the table below.

Any difference in appearance or operation of the two models are clearly indicated in the text, for example, "for TGV-1B only."

	TV system to be selected	Selection of colour system
TGV-1E	I (UK/Ireland) B/G (Other Western European countries)	No select switch.
TGV-1B	L (France) I (UK/Ireland) B/G (Other Western European countries)	The unit has the COLOUR SYSTEM switch. The PAL mode can be selected.

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The "VIDEO WALKMAN COMPO" TGV-1E and TGV-1B are tuner timer units designed to be used with the GV-U5E 8mm video cassette recorder.

- By connecting the GV-U5E video cassette recorder (not supplied)
 - You can record TV programmes. (page 31)
- By connecting the GV-U5E video cassette recorder (not supplied) and the MGV-41E LCD colour monitor (not supplied)
 - You can watch TV programmes. (page 24)

Other Features

- Supplied card remote commander also controls the GV-U5E and the MGV-41E connected to this unit.
- Timer-activated recording
- SLEEP timer for turning off the unit automatically
- Pictures and sound can be checked during the timer-activated recording

Supplied Accessories

The TGV-1E/1B are packed together with the following units. Check to see that everything is contained in the package.

Card remote commander
with lithium battery (1)



Signal splitter
(1)



Connecting cable (1)



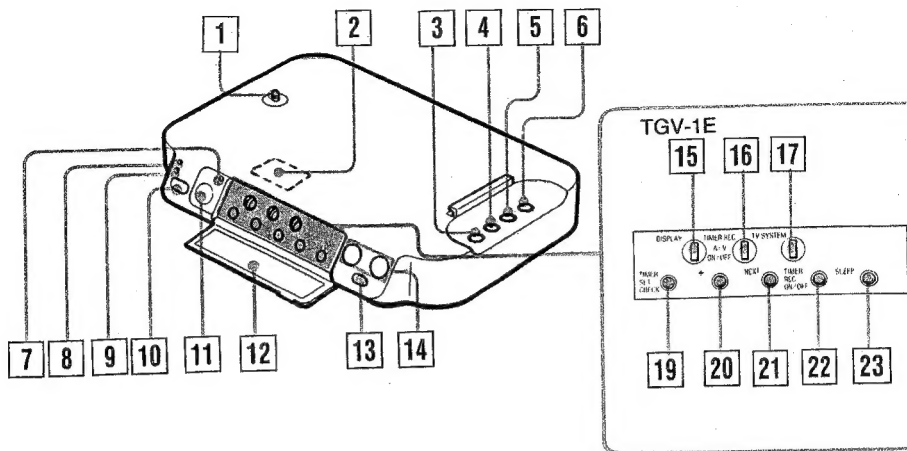
Lithium battery CR 2032 (1)



Connecting cable
(for audio) (1)



Location of Parts and Controls



1 Receptacle for the GV-U5E ②

2 Lithium battery compartment (bottom)

3 POSITION button ⑩ ⑪ ⑫

4 CLEAR button ⑫

5 CH (channel) PRESET button ⑩ ⑪ ⑫

6 CLOCK SET button ⑪

7 **STANDBY lamp**

When the GV-U5E video cassette recorder is connected to this unit: If you press the power I/⏻ (on/standby) button of this unit or the POWER button of the supplied card remote commander, this lamp (red) lights up.

(The card remote commander enters the standby mode.)

If you turn off the power of the GV-U5E or the MGV-41E, this lamp goes off and you cannot turn on this unit and the equipment connected to it by using the card remote commander.

While this lamp is on, you can turn on the power of this unit, the GV-U5E and the MGV-41E.

8 **TIMER REC (recording) lamp** ⑩

9 **POWER lamp**

10 **POWER I/⏻ (on/standby) button**
If you turn on the power of this unit by using the POWER switch of the GV-U5E, you can select I (on) or ⏻ (standby) by pressing this button.

11 **Remote sensor**
Point the supplied card remote commander here.

12 **The door for timer section** ⑩

13 **CH (channel)/SEEK button** ⑩

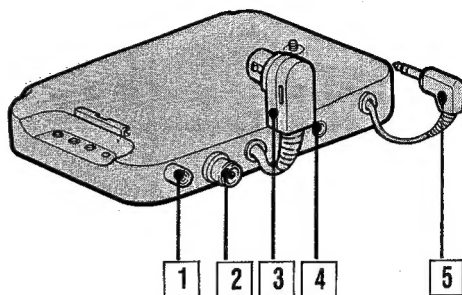
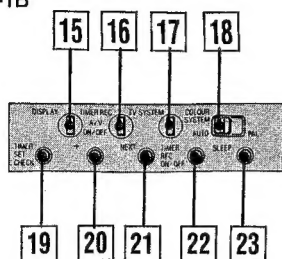
14 **-/+ buttons** ⑩ ⑪ ⑫ ⑬

15 **DISPLAY button** ⑩

16 **TIMER REC A/V (audio/video) ON/OFF button** ⑩

Rear

TGV-1B

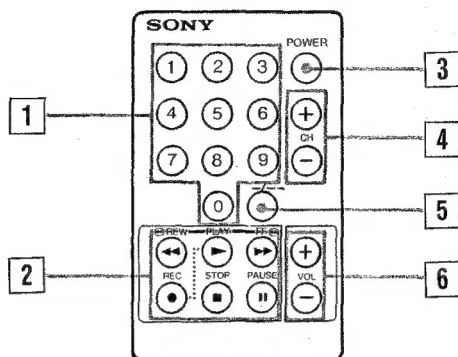


TGV-1E

- 17** TV SYSTEM button ● 21
- 18** COLOUR SYSTEM AUTO/PAL switch (for TGV-1B only) 21
- 19** TIMER SET (setting)/CHECK button ● 34 ● 37
- 20** + button ● 17 ● 34 ● 35
- 21** NEXT button ● 17 ● 34 ● 35
- 22** TIMER REC (recording) ON/OFF button ● 36
- 23** SLEEP button ● 28

- 1** VIDEO OUT jack (phone jack)
- 2** AERIAL IN socket
- 3** TUNER OUT cable
- 4** PHONES jack (stereo minijack)
- 5** PHONES IN cord

Card remote commander



1 Programme position number buttons

Press to select the programme position directly.

2 Tape transport buttons

◀◀ REW (rewind)

▶▶ PLAY

▶▶ FF (fast-forward)

● REC (recording)

For recording, press this button and the ▶ button simultaneously.

■ STOP

|| PAUSE

3 POWER button

When the GV-U5E video cassette recorder is connected to this unit:

- If you turn on the power of this unit and the GV-U5E by using the POWER switch of the GV-U5E, you can select "on" or "standby" by pressing this button.
- If you turn off the power of this unit and the GV-U5E by using the POWER switch of the GV-U5E, you cannot turn on this unit and the GV-U5E by pressing this button.

4 CH (channel) +/- buttons

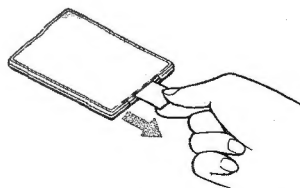
5 -/-- (10's digit) button

Press to select a programme number over 9. To select 23, press -/--, then 2 and 3.

6 VOL (volume) +/- buttons

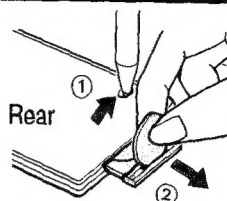
To Use Card Remote Commander

The battery is installed at the time of shipment. Remove the insulating sheet before using the commander.



Changing the lithium battery in the card remote commander

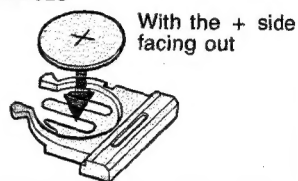
- 1 Pull out the lithium battery holder.**
Insert a ball-point pen or a similar object into a small hole. While pulling it in direction of the arrow as illustrated (①), pull out the battery holder (②).



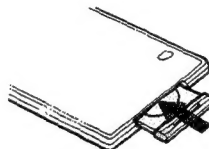
- 2 Install a new lithium battery CR2025 in the battery holder.**

- Wipe the battery carefully with a dry cloth.
- Be sure to observe the correct polarity.

CR2025



- 3 While pressing the battery down, reinsert the battery holder.**



Lithium battery life

Approximately six months under normal operation. When the lithium battery becomes weak, you may not be able to operate this unit or the equipment connected to this unit even though you press the buttons on the commander. **In this case, replace the battery with a Sony CR-2025 lithium battery. Use of another battery may present a risk of fire or explosion.**

Note on using a card remote commander

Do not use the commander in the location where the remote sensor of this unit is exposed to the direct sunlight or strong lighting. You may not be able to operate this unit because of the interference from the light.

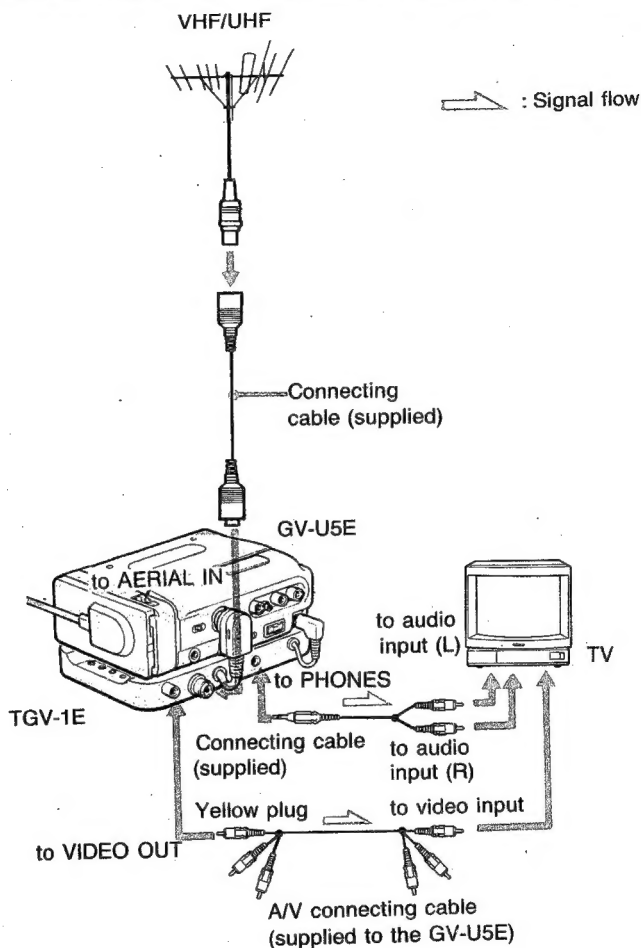
Cautions

- Keep the lithium battery out of the reach of children.
- Should the battery be swallowed, consult a doctor immediately.
- Before use, wipe the battery with a dry cloth to assure a good contact.
- Be sure to observe the correct polarity when installing the battery.
- Do not hold the battery with metallic tweezers, as that may cause a short-circuit.
- Do not break up the battery or throw it into a fire because it may explode. Carefully dispose of the used batteries.

Warning

Battery may explode if mistreated. Do not recharge, disassemble or dispose of in fire.

If Your TV Has Video and Audio Inputs

**Notes**

- Before connecting the aerials, turn off the unit.
- Make connections firmly. A loose connection may cause a distorted picture.
- When using the unit in a car, use a commercially available car aerial, etc. For details, refer to the instruction manual of the car antenna.

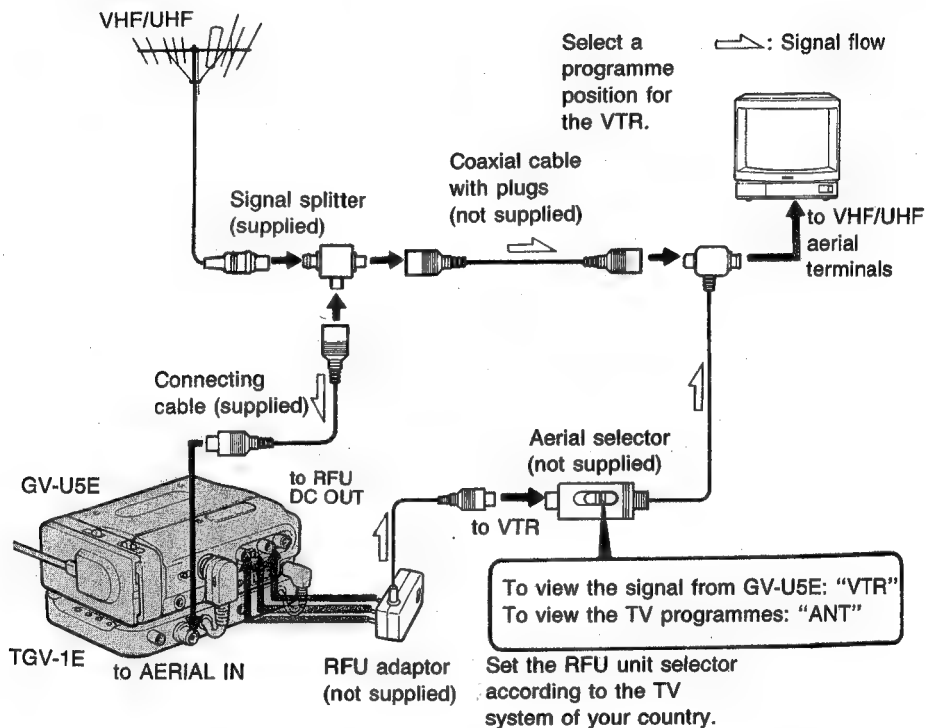
If Your TV Has Aerial Terminals Only

To view the pictures of the GV-U5E, make the following connections. Use the RFU-89EKA RFU adaptor kit (not supplied).

The RFU-89EKA RFU adaptor kit includes the following accessories:

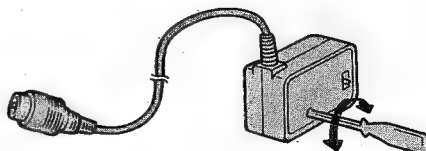
—RFU-89EA RFU adaptor (1)

—Aerial selector



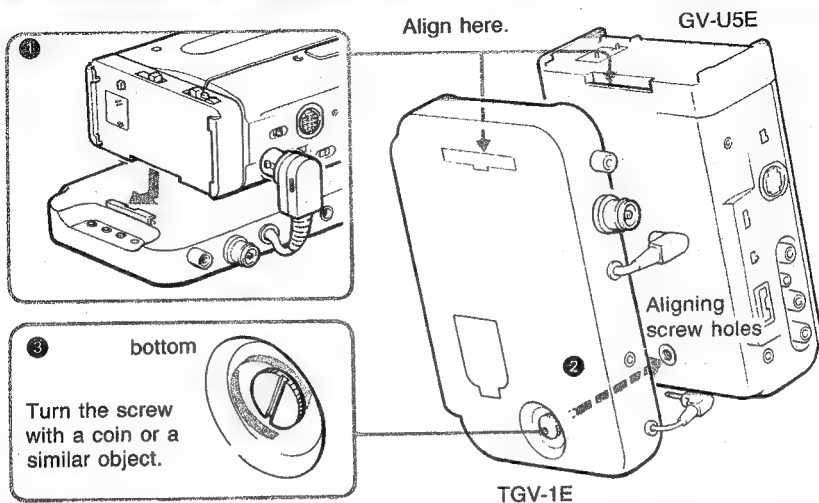
When the playback picture of the GV-U5E is not free of disturbance

- 1 Set the ANT/VTR selector on the aerial selector to ANT.
- 2 Select a programme position between UHF channels 30 and 39, so that the TV shows no picture and a steady rustling sound or no sound is heard.
- 3 Set the ANT/VTR selector on the aerial selector to VTR.
- 4 Turn the screw on the RFU adaptor slowly with the screwdriver (supplied to the RFU-89EKA) so that the playback picture is clearly displayed on the TV screen.

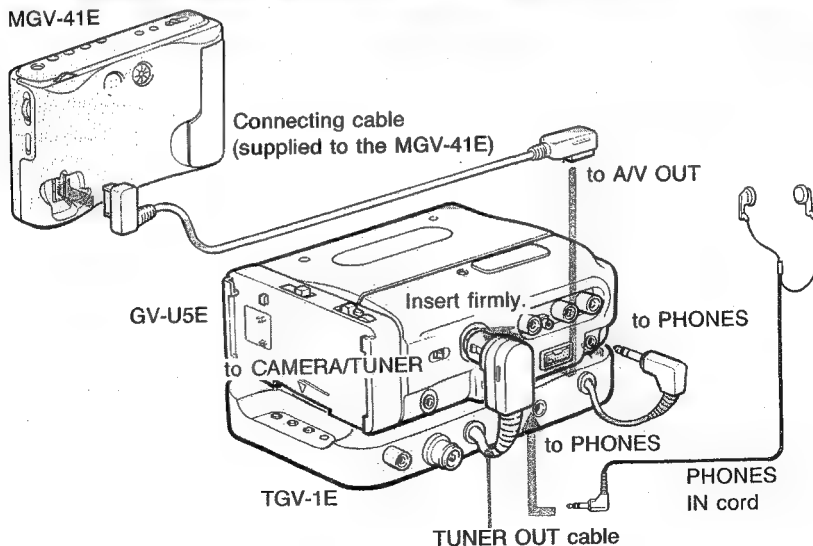


Connecting the GV-U5E Video Cassette Recorder

To attach the GV-U5E Video Cassette Recorder



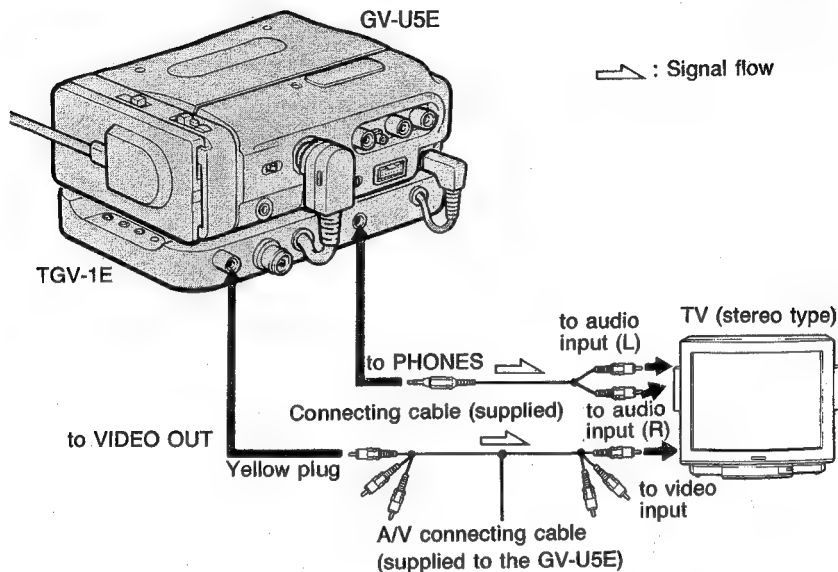
To Connect the GV-U5E Video Cassette Recorder and the MGV-41E LCD Colour Monitor



and the MGV-41E LCD Colour Monitor/TV

To Connect Your TV with Audio/Video Input

You can connect your TV to this unit directly.



Note

When you make the connections as illustrated, no sound will be heard from your TV if the **VOL** control of the GV-U5E is turned down completely.

If your TV does not have audio/video inputs, connect it to the GV-U5E video cassette recorder.

For making connections, refer to page 11 of this manual or the instruction manual of the GV-U5E.

Notes on making connections

- Before making connections, turn off the power of this unit and the equipment connected to this unit.
- When you disconnect the cord or cable, pull it out by its plug, not the cord itself.

The power for this unit is supplied from the GV-U5E video cassette recorder. Connect the GV-U5E to the power sources. (Refer to the instruction manual of the GV-U5E.)

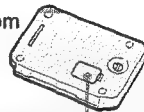
Setting the Clock

Before you set the clock, install a lithium battery. The lithium battery powers the clock and keeps the last channel in memory when the other power source is disconnected.

To Install a Lithium Battery

- 1 Open the lid of the lithium battery compartment.

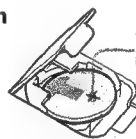
bottom



Press and lift up the lid.



- 2 Install the supplied CR2032 lithium battery with the + side facing out.

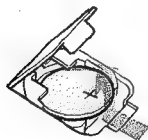


Insert the battery firmly until it clicks into place.

- 3 Close the lid.

To remove the lithium battery

Pull the battery forward and remove it as illustrated.



Lithium battery life

Approximately one year in normal operation.

If the lithium battery becomes weak, the 0:00 indication appears on the screen when you press the DISPLAY button, and the clock does not operate. **In this case, replace the battery with a Sony CR-2032 lithium battery. Use of another battery may present a risk of fire or explosion. After replacing the battery, readjust the clock.**

Cautions

- Keep the lithium battery out of the reach of children.
Should the battery be swallowed, consult a doctor immediately.
- Before use, wipe the battery with a dry cloth to assure a good contact.
- Be sure to observe the correct polarity when installing the battery.
- Do not hold the battery with metallic tweezers, as that may cause short-circuit.
- Do not break up the battery or throw it into a fire because it may explode. Carefully dispose of the used batteries.

Warning

Battery may explode if mistreated. Do not recharge, disassemble or dispose of in fire.

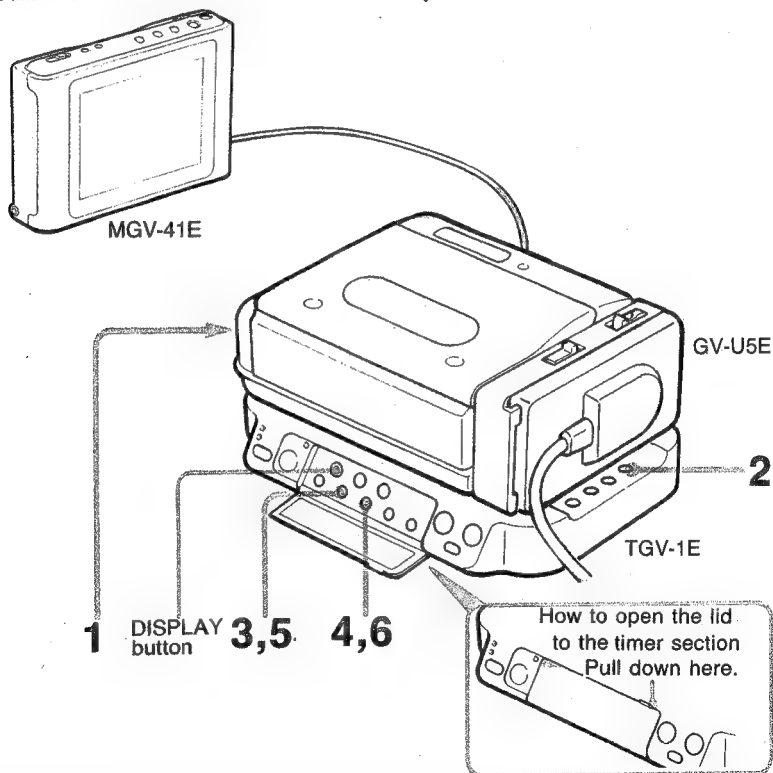
Setting the Clock

Before setting

Check the following points:

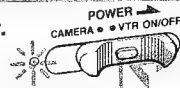
- Is the lithium battery installed correctly? (page 14)
- Is this unit connected to the GV-U5E video cassette recorder and the MGV-41E LCD colour monitor or TV? (page 12)
- Is the AC power adaptor connected to the GV-U5E? (Refer to the instruction manual the GV-U5E.)

The built-in clock of this unit uses the 24-hour system.



Example: Set to 13:15.

- 1 Turn on the power of the GV-U5E video cassette recorder. This unit turns on simultaneously. The POWER lamps of this unit and the GV-U5E light up.

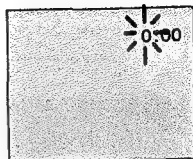


While pressing the green button, slide the POWER switch to the right.
(The switch returns automatically.)

2 Press the CLOCK SET buttons.

The screen will enter the time setting mode.
The screen becomes dark.
The next item to be set flashes.

CLOCK SET

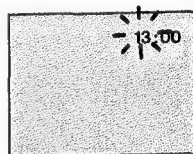


3 Set the hour.

Press the + button repeatedly until you get the desired setting.

If you keep the button pressed, the indication will advance continuously.

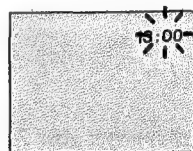
+



4 Press the NEXT button.

The minutes flash.

NEXT

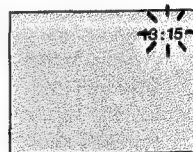


5 Set the minute.

Press the + button repeatedly until you get the desired setting.

If you keep the button pressed, the indication will advance continuously.

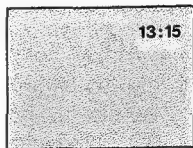
+



6 Press the NEXT button.

The clock starts.
The screen goes back to the normal brightness.

NEXT



Note

If the lithium battery is not installed, the clock will go back to "0:00" each time the GV-U5E is disconnected from this unit.

To display the clock indication

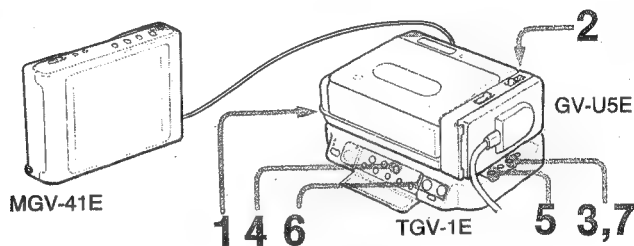
Press the DISPLAY button.

Press the button again to make the indication disappear.

Channels are preset differently for the TGV-1E and the TGV-1B. On the TGV-1B, you can select the TV colour system with the COLOUR SYSTEM button.

To Preset Channels for TGV-1E only

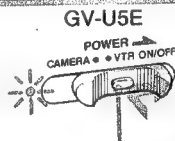
Your receiver is capable of receiving VHF channels E2—E12, UHF channels 21—69, and CATV channels S01—S20. UP to 60 channels can be allocated to any desired programme position.



If you connect your TV to this unit, turn on the POWER of your TV.

1 Turn on the power of the GV-U5E video cassette recorder.

This unit and the MGV-41E LCD colour monitor turn on simultaneously. The POWER lamps of this unit and the GV-U5E light up.



While pressing the green button, slide the POWER switch to the right. (The switch returns automatically.)



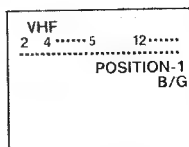
2 Set the input/output select switch of the GV-U5E to CAMERA/TUNER.

A TV programme is displayed.



3 Press the CH PRESET button.

CH
PRESET



- 4 Press the TV SYSTEM button to select the TV system in your area.**
The indication changes as follows:

B/G → I

B/G: Other western European countries
I: UK/Ireland

TV
SYSTEM

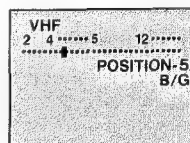


Note

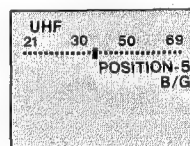
If the TV system is not selected correctly, the sound will be poor or noise may be heard.

- 5 Press the POSITION button to select the desired programme position where the channel is to be stored.**

POSITION



- 6 Press the -/+ buttons repeatedly to select the channel to be stored.**
The UHF channel range is displayed after the VHF range.*
Repeat steps 5 and 6 for other channels to be preset.



- 7 Press the CH PRESET button.**
Channel presetting is completed.
The on-screen display disappears.

CH
PRESET



*After the channel range is displayed, wait for about two seconds before next operation:

Programme scanning on the MGV-41E or your TV/monitor

When the + button is pressed, the channels are scanned in then following order.

When the - button is pressed, the scanning order is reversed.

VHF (E2—E4) → CATV (S01—S10) → VHF (E5—E12) →
CATV (S11—S20) → UHF (21—69)

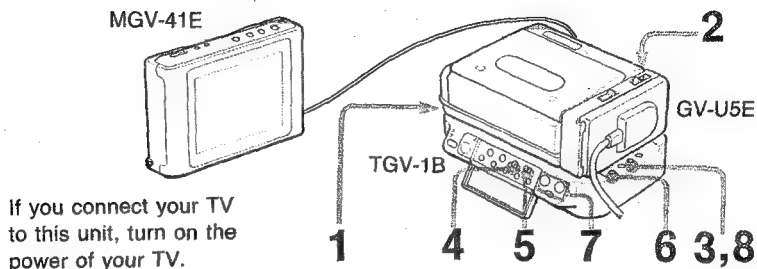


To change the order of the channels to be stored
Following the above steps.

Presetting TV Channels

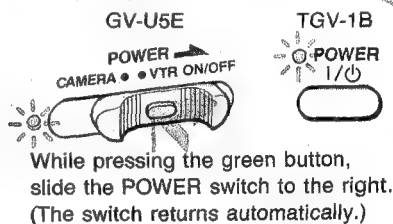
To Preset Channels for TGV-1B only

Your receiver is capable of receiving the channels listed on page 22. Up to 60 channels can be allocated to any desired programme position.



If you connect your TV to this unit, turn on the power of your TV.

- 1 Turn on the power of the GV-U5E video cassette recorder.**
This unit and the MGU-41E LCD colour monitor turn on simultaneously. The POWER lamps of this unit and the GV-U5E light up.

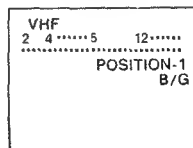


- 2 Set the input/output select switch of the GV-U5E to CAMERA/TUNER.**
A TV programme is displayed.



- 3 Press the CH PRESET button.**

CH
PRESET



- 4 Press the TV SYSTEM button to select the TV system in your area.**
The indication changes as follows:

B/G → L → I

L: France

I: UK/Ireland

B/G Other western European countries

Note

If the TV system is not selected correctly, the sound will be poor or noise may be heard.

TV
SYSTEM



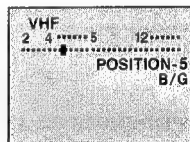
- 5 Normally set the COLOUR SYSTEM switch to AUTO (automode).**

However, when B/G is selected with the TV SYSTEM button, but the signal is too weak or the picture is distorted, set to PAL. When the SECAM-OST (B/G) is received, select the automode.

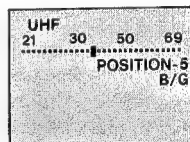


- 6 Press the POSITION button to select the desired programme position where the channel is to be stored.**

POSITION



- 7 Press the -/+ buttons repeatedly to select the channel to be stored.**
The UHF channel range is displayed after the VHF range.*
Repeat steps 6 and 7 for other channels to be preset.



- 8 Press the CH PRESET button.**
Channel presetting is completed.

The on-screen display disappears.

CH
PRESET



*After the channel range is displayed, wait for about two seconds before next operation.

Presenting TV Channels

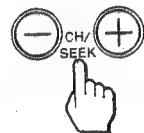
	VHF channel	UHF channel	CATV channel
PAL (for B/G and I)	E2—E12	21—69	S01—S20
SECAM (for L)	F5—F10	21—69	B—Q

L: France I: UK/Ireland B/G: Other western European countries

Programme scanning on the MGV-41E or your TV/monitor

When the + button is pressed, the channels are scanned in the following order.
When the - button is pressed, the scanning order is reversed.

B/G and I: VHF (E2—E4) → CATV (S01, S02, S03, S1, S2...S10) →
VHF (E5—E12) → CATV (S11—S20) → UHF (21—69)
L: CATV (B—F) → VHF (F5—F10) → CATV (K—Q) → UHF
(21—69)



To change the order of the channels to be stored
Follow the above steps.

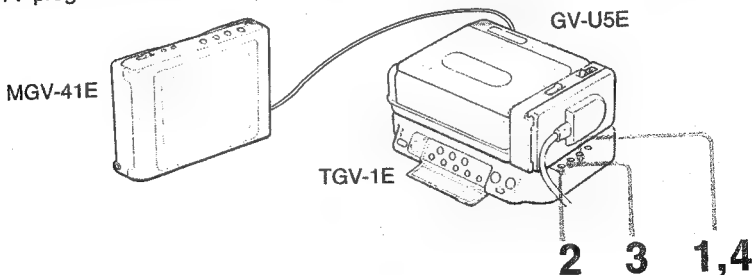
To Erase Channels

The erased programme position is skipped when you press the -/+ button.

Before you begin

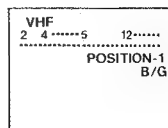
Be sure that a TV programme is displayed on the screen of the MGV-41E LCD colour monitor or your TV/monitor.

(If a TV programme is not displayed, refer to page 18.)



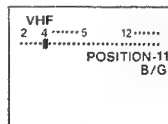
- 1** Press the CH PRESET button.

CH
PRESET



- 2** Press the POSITION button and select the programme position to be erased.

POSITION

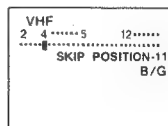


- 3** Press the CLEAR button.

CLEAR

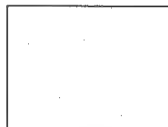


Repeat steps 2 and 3 for other
programme position to be erased.



- 4** Press the CH PRESET button.
The on-screen display disappears.

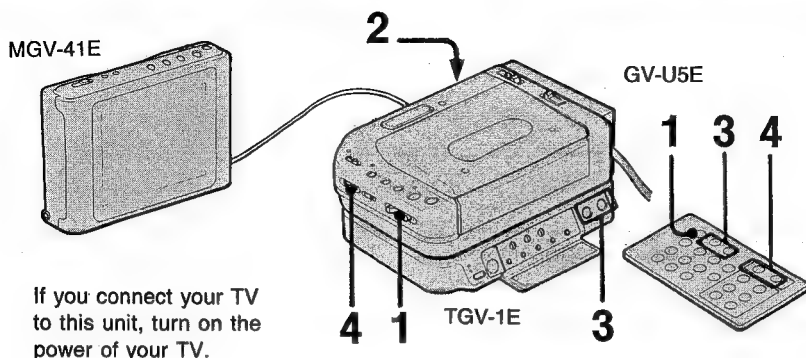
CH
PRESET



To add the erased channels again.

See "To Preset Channels" on page 18 (for TGV-1E) or on page 20 (for TGV-1B).

Watching TV Programmes



1 Turn on the power of the GV-U5E video cassette recorder.

This unit and the MGV-41E LCD colour monitor turn on simultaneously. While the **STANDBY** lamp of this unit lights up, you can turn on the power of the GV-U5E using the card remote commander.



While pressing the green button, slide the **POWER** switch to the right.
(The switch returns automatically.)

Card remote commander

POWER



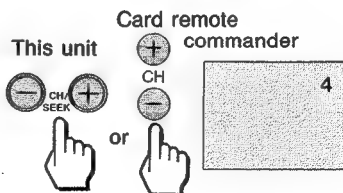
2 Set the input/output select switch of the GV-U5E to CAMERA/TUNER.

A TV programme is displayed.

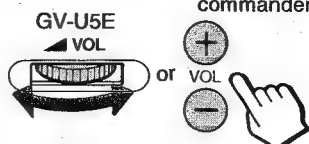


3 Select the desired channel.

Press **+** for higher-numbered channels and **-** for lower-numbered channels. The channels will appear in numerical sequence. Press the **-/+** buttons repeatedly until you get the desired channel on the screen.



4 Adjust the volume.



To adjust the volume on the card remote commander

First, set the ▲ VOL control of the GV-U5E to approx. 80 percent of the maximum volume. Then, adjust the volume with the card remote commander. When you adjust the volume, be sure to insert stereo earphones into the PHONES jack of this unit. If you insert the earphones into the PHONES jack of the GV-U5E, you cannot adjust the volume with the card remote commander.

When you will not use this unit nor the equipment connected to it for a long time
Turn off the power by using the POWER switch on the GV-U5E or the MGV-41E.

Note on the RM-95E remote commander (not supplied)

When you have connected the GV-U5E to this unit, we do not recommend using the RM-95E remote commander (not supplied) because it may not be able to operate this unit nor the equipment connected to this unit well.

To View a TV Programme without Presetting Channels

When you do not know the channel number of the TV programme you wish to view, search for the programmes as follows.

1 Press the CH/SEEK button.

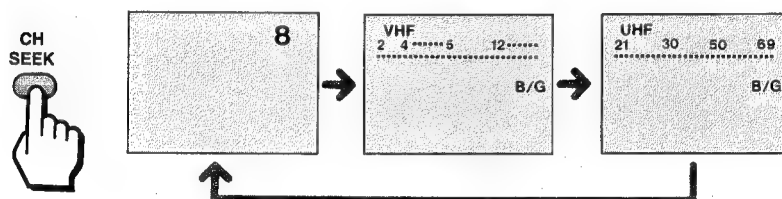
The channel range display appears.

Each time you press the button, the channels received change as follows.

VHF → UHF → normal display

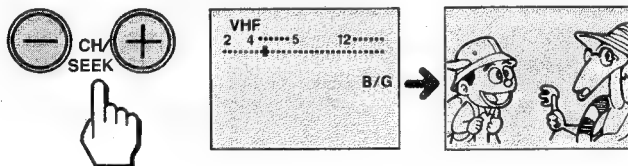
Notes

- To change the TV system, press the TV SYSTEM button after pressing the CH/SEEK button. (pages 18 or 20)
- (For TGV-1B only) When B/G is received, set the COLOUR SYSTEM switch to PAL, if necessary. (page 21)



2 Press the -/+ buttons to select the channel.

Press the buttons repeatedly until you get the desired programme on the screen.



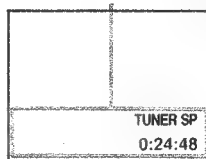
After selecting the channel, the channel range display goes out after a few seconds.

When the MGV-41E LCD colour monitor is connected to the GV-U5E video cassette recorder

You can make the on-screen display of the GV-U5E appear or disappear by using the DATA SCREEN ON/OFF button of the MGV-41E. If you press the DISPLAY button of this unit, you can make the on-screen display of this unit appear in addition to the on-screen display of the GV-U5E.

The portion where the on-screen display of the GV-U5E appears

The screen of the MGV-41E



"Last channel" memory function

- While you are watching TV programmes, if the power source is disconnected or the battery pack on the GV-U5E becomes exhausted, the unit turns off with the last channel being memorized. When you turn on the unit again, the last channel appears on the screen. The lithium battery must be installed for this function.
- If the lithium battery becomes exhausted but the power source is connected to the GV-U5E, the last channel memory function will still operate.

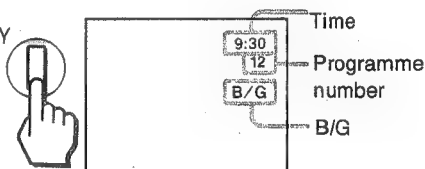
To adjust the picture

Adjust the picture on the LCD monitor or the TV connected to this unit. Refer to the instruction manual of these units.

To listen to the sound through the speakers

See page 30.

DISPLAY



To display the programme number

Press the DISPLAY button.

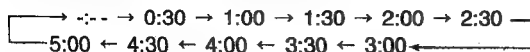
To make on-screen display disappear, press the DISPLAY button again.

While you are selecting the channel with the CH/SEEK button, the VHF or UHF channel range is displayed instead of the programme number, then goes off after a few seconds. While you are recording or playing back the tape, the above indications will not be displayed even though you press the DISPLAY button.

Using the SLEEP Timer

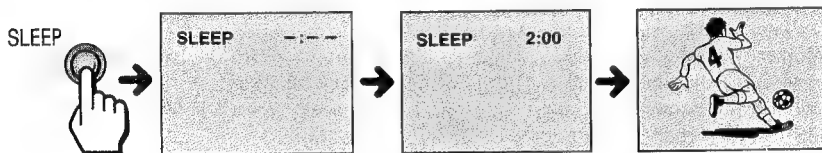
You can set the unit to turn off automatically after a certain amount of time, after as short as 30 minutes or as long as 5 hours.

Each time you press the SLEEP button, the display will change as follows:



Example: To turn off the TV after 2 hours

- 1 Make sure the clock is set correctly (page 17).**
No indication will appear on the screen if the clock is not set.
- 2 Select the desired time interval by pressing the SLEEP button.**
Press the button while you are watching TV.



The screen becomes dark.

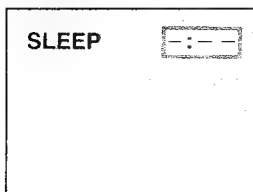
The normal display will be restored after a few seconds.

The TV will be turned off after 2 hours.

The procedure is the same for tape playback and recording. The tape will stop running after the selected time interval.

To cancel the SLEEP timer

Press the SLEEP button repeatedly until the “--:--” display appears.



The SLEEP timer can also be canceled by turning off the power of the GV-U5E or the MGV-41E.

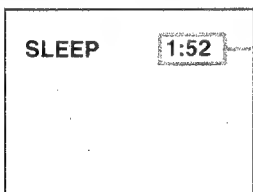
To check the remaining time

(While you are recording or playing back the tape, you cannot check the remaining time.)

Press the SLEEP button once. (Do not press the button twice or more.)

The remaining time is displayed.

The indication will go off after a few seconds.



The unit will be turned off after about 1 hour and 52 minutes.

Note

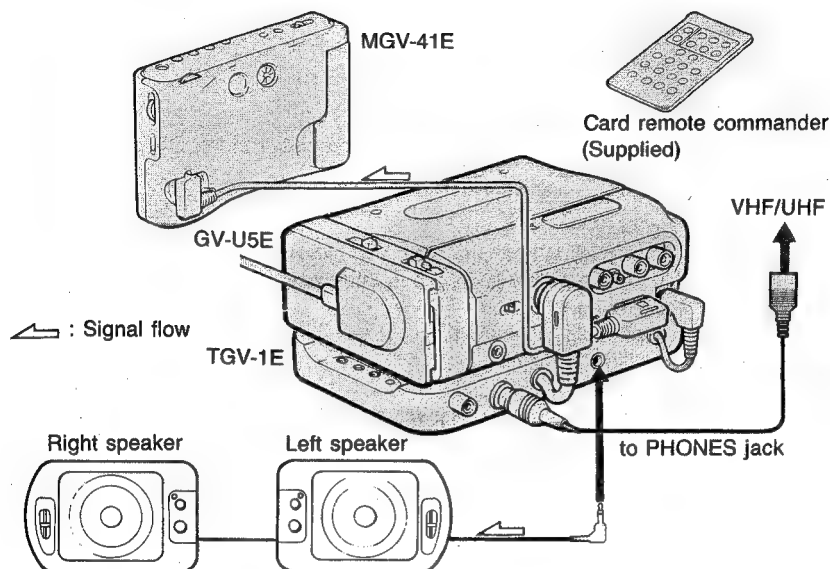
When you use the unit with rechargeable batteries on the GV-U5E, the unit may turn off before the selected time because the batteries are exhausted.

While you are recording or playing back the tape

You cannot check the SLEEP timer setting. Set SLEEP timer first, then start recording or tape playback. The tape will stop running after the selected time interval.

Listening to the Sound through the Speakers

Connect active speakers (speakers with stereo miniplug, such as SRS-67) to this unit as follows. When you make the following connections, you can adjust the volume of the active speakers by using the supplied card remote commander.



Refer to the instruction manual of the active speakers.

To adjust the volume

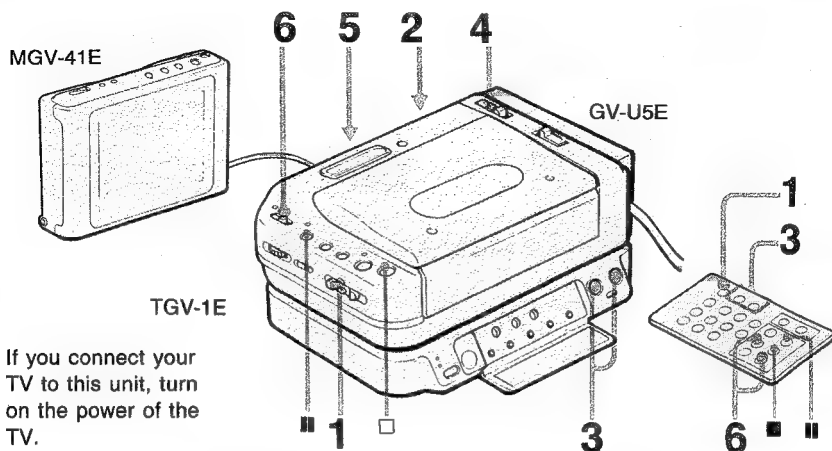
Set the VOL control of the active speakers to approx. 80 percent of the maximum volume. Adjust the volume of the speakers by using the \blacktriangle VOL control of the GV-U5E. Once you have set the volume on the active speakers and the GV-U5E, you can adjust the volume using the VOL +/– buttons on the card remote commander.

When you have connected the active speakers with the automatic MEGA BASS circuit

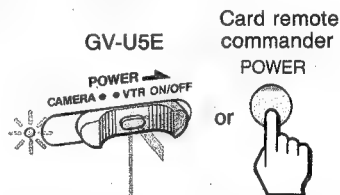
Set the MEGA BASS switch of the GV-U5E to OFF.

Notes

- Be sure to connect the PHONES IN cord of this unit to the PHONES jack of the GV-U5E.
- Do not completely turn down the volume of the GV-U5E. If you minimize the volume, you cannot adjust the volume on the card remote commander.
- If you connect the plug of the active speakers to the PHONES jack of the MGV-41E or the GV-U5E, you cannot adjust the volume of the speakers on the card remote commander.



- 1 Turn on the power of the GV-U5E video cassette recorder.**
This unit and the MGV-41E LCD colour monitor turn on simultaneously. When the **STANDBY** lamp of this unit lights up, you can turn the power on by pressing the **POWER** button on the supplied card remote commander.

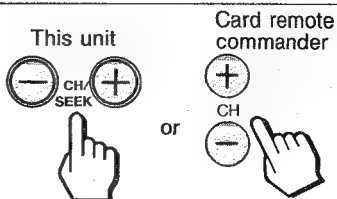


While pressing the green button, slide the **POWER** switch to the right.
(The switch returns automatically.)

- 2 Set the input/output select switch of the GV-U5E to CAMERA/TUNER.**
A TV programme is displayed.



- 3 Select the desired TV channel.**



↓ to be continued

Recording TV Programmes

- 4** Open the cassette holder of the GV-U5E with the EJECT button, and insert a cassette.



While pressing the blue button, slide down the EJECT button.

- 5** Select the recording mode, SP or LP with the REC MODE switch of the GV-U5E.

The recording time of a cassette in the LP mode is twice as long as that in the SP mode. For better picture and sound quality, set to SP.



- 6** Start recording.

GV-U5E



The REC lamp lights up.



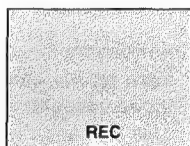
Slide down and release.

Card remote commander

PLAY



Press the ● button and the ► button simultaneously.



To stop recording for a moment

Press the || button on the card remote commander.

To resume recording

Press the || button again.

(If the || button is not pressed again for about 5 minutes, the pause mode will be released automatically and the GV-U5E will stop. This is to protect the video heads.)

To stop recording

Press the □ button of the card remote commander.

About the recorded sound

The volume control setting on the card remote commander or the GV-U5E has no effect on the recording level.

To change the channel during recording

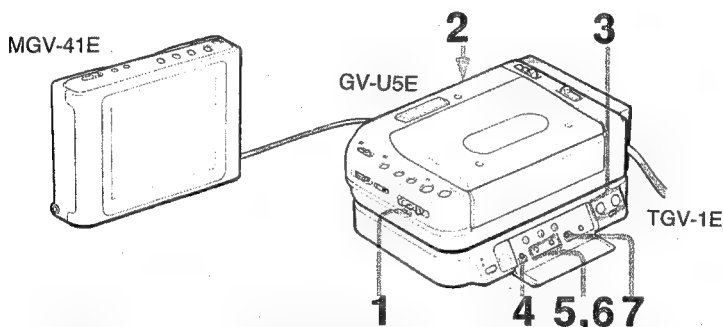
Press the || button on the card remote commander to set the GV-U5E in the recording pause mode, and then select another channel. You cannot watch another programme while recording.

By using the timer-activated recording feature, you can programme this unit to automatically record a TV programme that will be broadcast within 24 hours of activating the timer. For better picture and sound quality, recording in the SP mode is recommended.

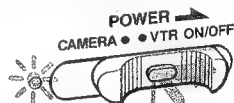
Before setting the timer

- Is the GV-U5E correctly connected to this unit? (See page 12.)
- Make sure that the power is supplied. (Is the battery pack on the GV-U5E fully charged? For long recording, use of the AC power source is recommended.)
- Set the clock correctly. (See page 16.)
- Insert a tape correctly. Make sure that the safety tab is slid in. (See page 16 of the instruction manual of the GV-U5E.)
- Is the recording mode (SP or LP) selected correctly? For better picture and sound quality, recording in the SP mode is recommended.

Example: To record the programme from 20:30 to 21:45.



- 1 Turn on the power of the GV-U5E video cassette recorder.**
This unit and the MGV-41E LCD colour monitor turn on simultaneously. The POWER lamps of this unit and the GV-U5E light up.



While pressing the green button, slide the POWER to the right.
(The switch returns automatically.)

- 2 Set the input/output select switch on the GV-U5E to CAMERA/TUNER.**



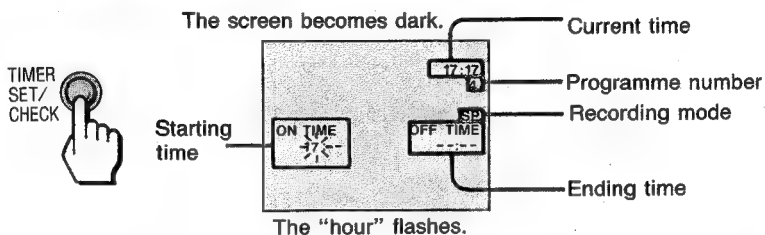
↓ to be continued

Timer-Activated Recording

3 Set the desired channel.

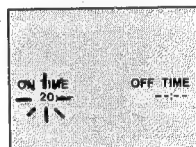


4 Press the TIMER SET/ CHECK button.

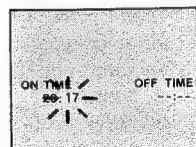


5 Set the time for the recording to begin.

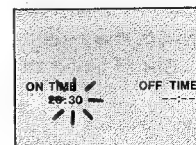
- 1) Press the + button to set the hour. Each time you press the + button, the hour indication increases by one. If you keep the button pressed, the indication will increase continuously.



- 2) Press the NEXT button. The minutes flash.

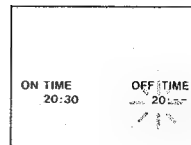


- 3) Press the + button to set the minute. Each time you press the + button, the minute indication increases by one. If you keep the button pressed, the indication will increase continuously.



- 4) Press the NEXT button.**
The starting time is now set.

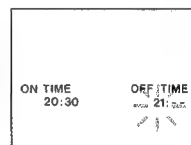
NEXT



- 6 Set the time for the recording to stop.**

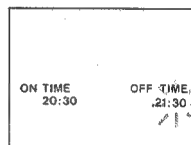
- 1) Set the hour with the + button.**
Each time you press the + button, the hour indication increases by one. If you keep the button pressed, the indication will increase continuously.

+



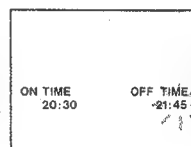
- 2) Press the NEXT button.**
The minutes flash.

NEXT



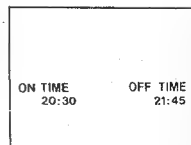
- 3) Press the + button to set the minutes.**
Each time you press + button, the minutes indication increases by one. If you keep the button pressed, the indication will increase continuously.

+



- 4) Press the NEXT button.**
The ending time is now set.
The screen display disappears.

NEXT



↓ to be continued

Timer-Activated Recording

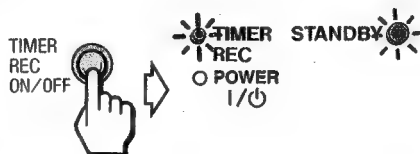
If you have made a mistake

Press the TIMER SET/ CHECK button again. Repeat steps from 1 to 6.

7 Press the TIMER REC ON/OFF button.

The power of the GV-U5E and this unit goes off and the TIMER REC lamp lights up (timer recording mode). If the MGV-41E is connected, its power also goes off. (If the TV is connected, turn off its power.)

The recording starts automatically at the preset start time and the power goes off at the preset end time.



To stop the timer recording

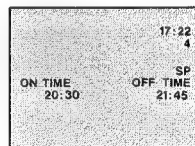
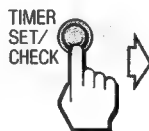
Press the TIMER REC ON/OFF button again.

The TIMER REC lamp goes out.

To check the setting

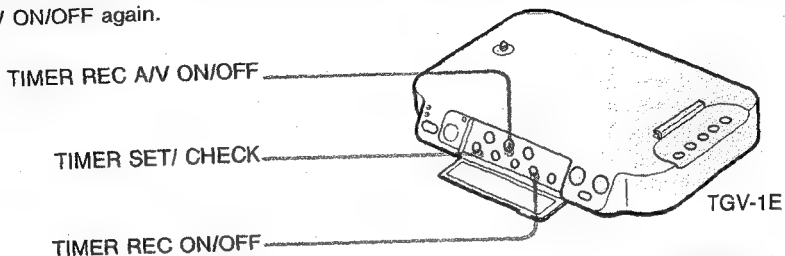
Press the TIMER SET/ CHECK button while the TIMER REC lamp is lit.

The power is turned on and the starting and ending time is displayed for a few seconds. While the TIMER REC lamp is lit, you cannot operate any button except the TIMER REC ON/OFF button and the TIMER SET/ CHECK button.



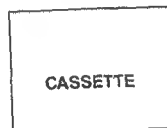
To check the picture and sound during timer recording

During timer recording, both picture and sound will be muted. However, if the MGV-41E is connected, you can check the picture and sound on the screen of MGV-41E by pressing the **TIMER REC A/V ON/OFF** button. To mute the picture and sound, press the **TIMER REC A/V ON/OFF** again.



If the **"CASSETTE"** indication appears on the screen when you press the **TIMER REC ON/OFF** button in step 7

- No cassette is inserted.
- The safety tab on the cassette is slid out.
- Tape has reached the end.



During recording

You cannot set the timer.

If a power interruption occurs when the unit is connected to the AC power source
Recording stops. Recording starts again after the power is resupplied. When a power interruption occurs during the timer recording standby mode and the power is resupplied, the timer setting will not be affected as long as the lithium battery is installed.

To record the end of the tape

Set the same time for starting and ending. When the tape reaches the end, recording will stop and the power goes off.

Operation

- Should any solid object or liquid fall into the cabinet, unplug the unit and have it checked by qualified personnel before operating it any further.
- Avoid rough handling or mechanical shock to the unit.
- Remove and store video cassette after recording or playback.
- Do not wrap up the unit and operate it because heat may build up internally.
- Avoid using and storing the recorder in the following locations:
 - Locations susceptible to vibration
 - Locations exposed to strong magnetic fields
 - Locations near TV or radio transmitters where strong radio waves are generated
- Do not place the unit on the sand.

Care

- Clean the unit body with a dry, soft cloth, or a soft cloth lightly moistened with a mild detergent solution. Do not use any type of solvent which may damage the finish.

Tuner section

Channel coverage (TGV-1E)
VHF: E2—E12
VHF: 21—69
CATV: S01—S20
(TGV-1B)

	B/G,I	L
VHF	E2—E12	F5—F10
UHF	21—69	21—69
CATV	S01—S20	B—Q

Aerial input 75-ohm asymmetrical aerial socket

Inputs/outputs

TUNER OUT cable With a 12-pin connector, to connect the GV-U5E
VIDEO OUT jack phono jack, 1 V p-p, 75 ohms, unbalanced, sync
negative
PHONES IN cord With a stereo miniplug, to connect the GV-U5E
PHONES jack Stereo minijack, 8 ohms, for stereo earphones

Timer section

Clock Crystal lock
Timer indication 24-hour cycle
Timer setting Only for recording, 1 event/24 hours
Sleep timer Max. 5 hours

General

Power requirements Power is supplied from the TUNER OUT cable DC 6 V
Power consumption 1.6 W (TGV-1E)
2.0 W (TGV-1B)
Operating temperature 0°C—+40°C (32°F to 104°F)
Storage temperature -20°C—+60°C (-4°F to 140°F)
Dimensions (TGV-1E)
154 × 22 × 107 mm (w/h/d)
(6 1/8 × 7/8 × 4 1/4 inches)
not incl. projecting part
(TGV-1B)
154 × 35 × 107 mm (w/h/d)
(6 1/8 × 1 7/16 × 4 1/4 inches)

Specifications

Weight	(TGV-1E) Approx. 255g (9 oz)
	(TGV-1B) Approx. 290g (10 oz)
Accessories supplied	Card remote commander (incl. lithium battery) (1) Signal Splitter (1) Connecting cable (1) Lithium battery (1) Connecting cable (for audio) (1)

Card remote commander RM-K1GV20

Remote control system	Infrared control
Command mode	VTR-2
Power requirements	3 V DC, 1 lithium battery CR2025
Dimensions	54 × 85.5 × 4.9 mm (w/h/d) (2 1/4 × 3 3/8 × 7/32 inches)
Weight	Approx. 30 g (1 oz)

Design and specifications are subject to change without notice.

Note

This appliance conforms with EEC Directive 87/308/EEC regarding interference suppression.

Trouble Checks

If you think you have a problem, double-check before calling the serviceman. You may have overlooked something relatively simple!

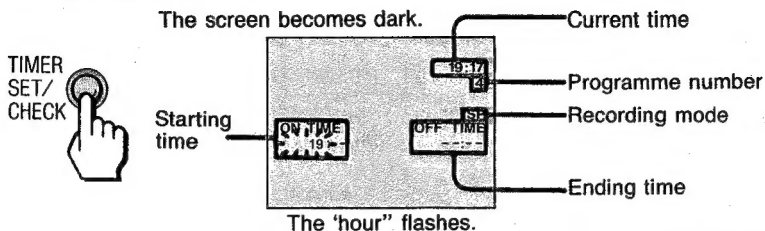
Symptom		Possible causes and/or corrections
Power	The power of the GV-U5E video cassette recorder does not turn on even though the POWER button of this unit is pressed.	<ul style="list-style-type: none"> • The GV-U5E is not connected. • The TUNER OUT cable is not connected firmly. (page 12) • The POWER switch of the GV-U5E is set to CAMERA.
	The power of the GV-U5E does not turn on even though the POWER button on the supplied card remote commander is pressed.	
	The power of this unit does not turn on even through the POWER switch of the GV-U5E is set to on.	
Clock	The clock shows "0:00".	<ul style="list-style-type: none"> • Replace the lithium battery with new one. In this case, reset the clock (page 16), and if necessary, reset the timer recording.
TV	No sound is heard when connecting TV.	<ul style="list-style-type: none"> • The PHONES IN cord is not connected to the PHONES jack of the GV-U5E. (page 13) • The VOLUME control of the GV-U5E is turned down completely. (page 13)
	The picture is muted.	
	The picture is not clear.	<ul style="list-style-type: none"> • TV/monitor is not connected correctly. (page 12) • The input/output select switch of the GV-U5E is not set to CAMERA/TUNER. (page 24)
	An unnecessary picture appears when you watch a TV programme.	<ul style="list-style-type: none"> • The outdoor aerial is not connected correctly. • The signal is weak. Adjust the aerial for the best reception or use an antenna booster (not supplied).
		<ul style="list-style-type: none"> • An unnecessary cable is connected to the VIDEO/AUDIO input/output jacks. → Disconnect the cable.

Symptom		Possible causes and/or corrections
TV	Power turns off abruptly during the recording of a TV programme.	<ul style="list-style-type: none"> • The power of the GV-U5E or the MGV-41E is turned off.
Card remote commander	The unit is not operable by using the card remote commander.	<ul style="list-style-type: none"> • The lithium battery is exhausted. (page 9) • There is an obstacle between the commander and the remote sensor.
	The volume cannot be adjusted by using the card remote commander.	<ul style="list-style-type: none"> • The PHONES IN cord is not connected to the PHONES jack of the GV-U5E. (page 30) • The ▲ VOL control of the GV-U5E is turned down completely. • Stereo earphones are not connected to the PHONES jack of this unit. • Active speakers are not connected to this unit. (page 30)
Timer recording	The timer recording feature failed to operate.	<ul style="list-style-type: none"> • The tape was not long enough. • The TIMER REC ON/OFF button was not pressed. • The clock was not set correctly. (page 16) • The battery pack on the GV-U5E was exhausted. • There was a power interruption (for AC operation). • Moisture condensation has occurred in the GV-U5E. • The input/output select switch of the GV-U5E is not set to CAMERA/TUNER. (page 33)

Quick Reference for Timer Recording

Refer to page 33 of this manual for details.

1 Press the **TIMER SET/CHECK** button.



Setting the starting time

2 Set the hour.



3 Set the minutes.



Setting the ending time

4 Set the hour.



5 Set the minutes.



6 Press the **TIMER REC ON/OFF** button.

The power goes off and the recording starts automatically at the preset start time and the power goes off at the preset end time.

To stop the timer recording operation

Press the **TIMER REC ON/OFF** button again.

To check the setting

Press the **TIMER SET/CHECK** button while the **TIMER REC** lamp is lit.

If you have made a mistake in timer setting

Press the **TIMER REC ON/OFF** button to cancel the timer recording mode, then turn the power on and set the timer again.

To monitor the sound and picture being recording

If the LCD colour monitor is connected, press the **TIMER REC A/V ON/OFF** button of this unit.